GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on:

(without alignments)
13138.381 Million cell updates/sec August 28, 2002, 07:07:20 ; Search time 1593.33 Seconds

US-08-711-417C-165

Perfect score: Title:

1 ATGGATGCTGACGAGGGTCA......ACCGCTTCCACATGAGCTAA 1551 Sequence:

IDENTITY_NUC Scoring table:

Gapop 10.0 , Gapext 1.0

27472414 Total number of hits satisfying chosen parameters:

13736207 segs, 6748477542 residues

Searched:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100% Listing first 45 summaries

Database :

em_gss_inv:* em_gss_pln:* em_gss_vrt:* ew_gss_hum:* em_estba:*
em_esthum:*
em_estin:*
em_estov:*
em_estpl:*
em_estpl:*
em_estpl:*
em_estpl:*
em_estpl:* gb_est2:* qb_htc:* dp_gss:* EST:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result

AI325349 BF794111 AL561534 AW503638 Query Match Length DB Score 424.2

AW503638 U1-HF-BN0 AA027561 mi06e03.r BB629847 BB629847 AA866707 vx85510.r AA806413 oa43106.s AA81418 nz12d08.s AW976805 EST388914 BM458447 AGENCOURT BF731127 mab81e11. AI325349 mi06e03.y BF794111 602255675 AL561534 AL561534 AI323339 mi06e03.x AJ396733 AJ396733 Description AA814418 AW976805 BM458447 BF731127 BG089790 BB207438 BB629847 AA866707 AA808413 AA027561 339 372.8 353.6 348.8 271.4 251.6 239.2 237.4 231.8 229.8 221.4 198.8 No. 11 12 13 14 11 11 11 11

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AA863970 vx87d08.r BA635722 BB635722 AA23756 zr10c01.r BA80077 BB489077 AW502759 UI-HF-BR0 BB235180 BB235180 BB235180 BB235180 AJ399435 AJ399435 BB634826 BB634826 BB230132 BB230132 AW004152 MBS00132 AW005039 UI-HF-BL0 BM148203 TCAAP1095 BH491059 BB491059 BH491059 BB491059 BB491059 BB491059 BB947123 UI-M-BH3- BG145166 UTFG604.y BG145166 UTFG604.y BB231819 BB231819 AF116605 HOMO SAP1 BB231819 BB231819 AF116605 HOMO SAP1 BB231819 BB231819 AF116605 HOMO SAP1 BB231819 BB231819 AF14605 HOMO SAP1 BB288267 BB4888667 BB4888677 BB488867 BB488867 BB488834 AI664175 Vb16603.r
AA863970 BB635722 AAA223756 BB489077 AW502759 BBB235180 BBB236180 BBB2361826 BBB236132 AA01993522 AK004152 AK004152 AK004152 AK004152 AK04152 AK104152 AK104152 AK116605 BB491105 BB4971133 BB477123 AF116605 BB231819 AF116605 BB231819 AF116605 BB231819 AF116605 BB8281819 AF116605 BB8281819 AF116605 BB8281819 AF116605 BB8281819 AF116605 BB8281819 AF116605 BB8281819 AF116605 BB8281819 AF116605 BB8281819 AF116605 BB8281819 AF116605 BB8888934 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526 AI365526
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191.4 176.4 4 176.4 4 17.6 6 17.2 6 16.5 6 16.5 6 16.5 6 17.6 7 17.7 7 14.7 7 17.7 7 1
119 220 220 221 222 223 333 331 331 444 453 453
υ υ υ

ALIGNMENTS

AI325349
AI325349
AI325349
AI3603.41 Soares mouse placenta 4NbMP13.5 14.5 Mus musculus cDNA
Clone IMAGE:459676 5' similar to gb:L03547 Mouse Ikaros DNA binding
protein (MOUSE);, mRNA sequence. Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 557)
Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Gelsel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theisiang,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and This read is a RESEQUENCE of a previously sequenced mouse clone This read has been verified (found to hit its original self in the correct orientation) Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information. The MashU-HMI Mouse EST Project
Unpublished (1996)
Contact: Marra MyMouse EST Project
WashU-HHMI Mouse EST Project
WashIngton University School of MedicineP
4444 Porest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810 AI325349.1 GI:4059778 Mus musculus house mouse. Waterston, R. MGI:276564 LOCUS DEFINITION AI325349/c ORGANISM TITLE JOURNAL VERSION KEYWORDS SOURCE ACCESSION REFERENCE AUTHORS COMMENT

1. .557 /organism="Mus musculus" /strain="C57BL/65" Seq primer: -40RP from Gibco High quality sequence stop: 417. Location/Qualifiers source

FEATURES

BF471977 UI-M-BH3-

BF471977

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570; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                      Homo sapiens
           human.
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ORGANISM
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                                                                                                                                                           T 3/1; double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT713 vector. Library went through one round of normalization, and was constructed by Bento Soares and M.Fatina Bonaldo."
                                                                                           /note="Organ: placenta; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; 1st strand cDNA was primed with a Not I - oligo(dT) primer
                                                                                                                                                 421 GGAGAACGGCCCTTCCAGTGCAATCAGTGCGGGGCCTCATTCACCCAGAAGGGCAACCTG 480
                                                                                                                                                                                                                                                                                                                                                                                                           483 AGTGACACTCAGATGAAAGGGGATGAGCCCATGCCTGTCCCTGAGGACCTGTCCACTACC 424
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                                                                                                                                                                                                                                                                                                                                       /clone_lib="Soares mouse placenta 4NbMpl3.5 14.5"
/sex="unknown"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 9; Length 557;
                                                                                                                                                                                                                                                                                                              57; Indels
                                                                                                                                                                                                                                                                                  Query Match 29.2%; Score 452.4; DB 9 Best Local Similarity 89.5%; Pred. No. 7.9e-84; Matches 486; Conservative 0; Mismatches 57
                                                   /tissue_type="placenta"
/db_xref-"taxon:10090"
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L (Dases 1 LO 23*4)

S NIH-MGC http://mgc.ncl.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
National Institutes of Health, Mammalian Gene Collection (MGC)
National Institutes of Health, Mammalian Gene Collection
Contact: Robert Strauberg, Ph.D.
Email: cgapbs-rémail.nih.gov
Tissue Procurement: Louis Staudt, M.D., Ph.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://mage.lln.gov
Plate: LLAM9948 row: f column: 19
High quality sequence stop: 657.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="Organ: lymph; Vector: pGNV-SPORT6; Site_1: NotI; Site_2: SalI; Cloned unidirectionally; oligo-dT primed. Average insert size 1.867 kb. Library enriched for full-length clones and constructed by Life Technologies. Note: this is a NIH_MCC Library."
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 994)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 TCGGGAGGACAGCAAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAATGTTAAAGTAGAG 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241 GATTTACGAATGCTTGATGCCTCGGGAGAAAATGAATGGCTCCCACAGGGACCAAGGC 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /tissue_type="lymphoma, cell line"
/lab_host="DH10B (phage-resistant)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /clone="IMAGE:4338834"
/clone_lib="NIH_MGC_85"
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275 TCGGGAGGACACAAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAATGTTAAAGTAGAG 334

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Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full.length cDNA libraries and normalization
Unpublished (2001)
480 GCTCCGGCACATCAAGCTGCATTCCGGGGAGAGCCCTTCAAATGCCACCTCTGCAACTA 539
                                                                                                                        600 TCACAAATGTGGGATATTGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGAGGAACATAA 659
                                                                                           724 CATGTCGCCGAGGAACGCCCTACTGGCACCTGAGGAGCCCACGACATAAGAAGAGAAATA 783
                                                                                                                                                       184 CAGGAATGGGAGACCTGGAGAGAGAAGAACGGGGGAACAAAAACAGAAACCGCCACAA 843
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr.
Location/Qualifiers
                                                            540 CGCCTGCCGCGGAGGGACGCCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACC
                               667 GGTCCGGCACATCATGCTGGATCCGGGAGAA---CCCTTAAATGTCACTTCTGAATAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26.4%; Score 409.2; DB 9; Length 948; 98.1%; Pred. No. 8.2e-75; tive 0; Mismatches 8; Indels 0
                                                                                                                                                                                                        660 AGAGCGCTGCCACAACTACTTGGAAAGCATGGGCCTTCCGGGCACAC 706
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_lib="LTI_NFL010_BC2"
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/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone="CS0DL011Y003"
                                                                                                                                                                                                                                                                                                                                                             AL561534.1 GI:12909059
                                                                                                                                                                                                                                                                                                                         prime, mRNA sequence.
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Matches 414;
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KEYWORDS
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

I (bases 1 to 442)

I (bases 1 to 442)

I (bases 1 to 442)

I Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-remail.nih.gov

Eco RI site shown at the beginning of the sequence.

Tissue Procurement: Louis M. Standt, M.D., Ph.D.

CONA Library Preparation: M.B. Soares Lab

CONA Library Arrayed by: M.B. Soares Lab

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LINL at:

www-bio.lnl.gov/bbrp/image/image/image.html
Seq primer: MIS Forward.
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/clone="INAGE:3079386"
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                                                                                                                                                       301 AGCICGGCITIGICGGGAGIIGGAGGCAIICGACTICCIAACGGAAAACIAAAGIGIGAI 360
361 ATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTTCATGGTTCACAAAAGAAGCCACACT 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AWS03638
UI-HF-BN0-ald-e-10-0-UI.rl NIH_MGC_50 Homo sapiens cDNA clone
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                           455 AGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTAAAGTGTGAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Homo sapiens"
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Matches 418; Conservative
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/note="Organ: placenta; Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; is strand cDNA was primed with a Not I - oligo(dT) primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EST 31-AUG-2001
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 731)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BB207438 RIKEN full-length enriched, O day neonate thymus Mus musculus cDNA clone A430081P11 3' similar to L03547 Mouse Ikaros DNA binding protein (Ikaros) mRNA, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               76 GAGGGCGATGAGCCCATGCCGATCCCCGAGGACCTCTCCACCACCTCGGGAGGACAGCAA 135
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               136 AGCTCCAAGAGTGACAGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAA 195
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    316 GGAGITGGAGGCATTCGACTTCCTAACGGAAAACTAAAGTGTGATATCTGTGGGATCATT 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                376 TGCATCGGGCCCAATGTGCTCATGGTTCACAAAGAAGCACCACACTGGAGAACGGCCCTTC 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            436 CAGTGCAATCAGTGCGGGGCCTCATTCACCCAGAAGGGCAACCTGCTCCGGCACATCAAG 495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      481 GGTCAAGACATGTCCCAAGTTTCAGAACAGG-AAGCCCCACAGTCAGTGACACTCCAGAT 423
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                                                                                                                                                                                                                                                                                                                                                                                                         3;
                                                                                                                                                                                                                                                                                                                                                                Length 509;
                                                                                                                                                                                                                                                                                                                                                                                                         47; Indels
                                                                                                                                                                                                                                                                                                                                                                24.0%; Score 372.8; DB 9;
89.7%; Pred. No. 2.5e-67;
iive 0; Mismatches 47;
                 /tissue_type="placenta"
/dev_stage="adult"
/lab_host="DH10B"
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BB207438.2 GI:15409900
/sex="unknown"
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AA027561
AA027561.1 GI:1493554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
    GGGGCCGAGTCCCTGCCCCCCTGGTGCAGACGCCCCCGGGGGGGTTCCGAGGTGGTCCCG 1023
                                                                                 1024 GTCATCAGCCCGATGTACCAGCTGCACA---GGCGCTCGGAGGGCACCCCGCGCGTCCAAC 1080
                                                                                                                                                                   CACTCGGCCCAGGACAGGGCCGTGGAGTACCTGCTGCTGCTCCCAAGGCCAAGTTGGTG 1140
                                                                                                                                                                                                                                                  1141 CCCTCGGAGCGCGAGGCGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAGAGC 1200
                                                                                                                                                                                                                                                                                                                                  1261 C---AACGCGTGTCGCTCAAGGAGGAGCACCGCGCCTACGACCTGCTGCTGCGCCCCCTCC 1317
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                                                                                                                                                                                                                                                                                                                                                          304 CGCAACGGGCTGTCGCTCAAGGAGGAGCACCACCGCCCTACGACCTGCGCGCCCCCCC 363
                                                                                                                          64 GTCATCAGCCCGATGTACCAGCTGCACAAGCCGCTCGCGGAGGGCACCCCGCGCTCCAAC 123
                                                                                                                                                                                        124 CACTCGGCCCAGGACAGCGCCGTGGAGAACCTGCTGCTGCTCCCAAGGCCAAGTTGGTG 183
                                                                                                                                                                                                                                                                                           184 cccrceeaececeaecerccceaecaacaecreccaaeacreccaceacacceceaeaec 243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          364 GAGAACTCGCAGGACGCGCTCCGCGTGGTCAGCACCAGCGGGGAGCAGATGTGTAC 423
                         4 GAGGCCGAGTCCCTGCGCCCGCTGGTGCACACGCCCCCGGGCGGTTCCGAGGTGGTCCGG 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone_lib="Soares mouse placenta 4NbMP13.5 14.5"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Marra M/Mouse EST Project
WashU-HHMI Mouse EST Project
WashIngton University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seq primer: -28M13 rev2 from Amersham
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Location/Qualifiers
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/clone="IMAGE:459676"
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TITLE COMMENT

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RS Arakawa,T., Carninci,P., Fukuda,S., Furuno,M., Hanagaki,T., Hara,A.,
Hiramoto,K., Hori,F., Ishli,Y., Ito,M., Kawai,J., Konno,H., Kouda
,M., Koya,S., Matsuyama,T., Miyazaki,A., Nomura,K., Ohno,M.,
Okazaki,Y., Okido,T., Saito,R., Sakai,R., Sano,H., Saski
,D., Shibata,K., Shinagawa,A., Shiraki,T., Sogabe,Y., Sano,H., Sasaki
Tagami,M., Tagawa,A., Takahashi,F., Takeda,Y., Tanaka,T., Nuramatsu,M. and Hayashizaki,F., et al. 2001)

On Jun, Birken Mouse ESTS (Arakawa,T., et al. 2001)
On Jun 30, 2000 this sequence version replaced gi:8872391.
Contact: Yoshihide Hayashizaki
Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
Tel: 81-45-503-9216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RIKEN integrated sequence analysis (RISA) system--384-format sequencing pipeline with 384 multicapillary sequencer. Genome Res. 10 (11), 1757-1771 (2000)

Konno, H., Pukunishi, Y., Shibata, K., Itoh, M., Carninci, P., Sugahara, Y. and Hayashizaki, Y.
Computer-based methods for the mouse full-length cDNA encyclopedia: real-time sequence clustering for construction of a nonredundant cDNA library. Genome Res. 11 (2), 281-289 (2001)
Yamanaka, I., Klyosawa, H., Kondo, S., Saito, T., Shinagawa, A., Aizawa, K., Fukuda, S., Hara, H., Kondo, S., Saito, T., Shinagawa, A., Aizawa, K., Fukuda, S., Hara, H., Itoh, M., Kawai, J., Shibata, K., Arakawa, T., Mapping of 19032 mouse cDNAs on mouse chromosomes. J. Struct.
Func. Genomics 2 pre, LT2-L66 (2001)
Flease visit our web site (http://genome.gsc.riken.go.jp/) for
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URL:http://genome.gsc.riken.go.jp,

Carninci,P., Shibata,Y., Hayatsu,M., Sugahara,Y., Shibata,K., Itoh

'M., Konno,H., Okazaki,Y., Muramatsu,M. and Hayashizaki,Y.

Normalization and subtraction of cap-trapper-selected cDNAs to

Prepare full-length cDNA libraries for rapped discovery of new

genes. Genome Res. .10 (10), 1617-1630 (2000)

wagi,K., Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E.,

watchiki,M., Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura

'S., Kawai,J., Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and
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/dev_stage="0 day neonate"
/lab_host="DH10B"
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/db_xref="taxon:10090"
/clone="A430081P11"
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modified pBluescript KS(+) after bulk excision from Lambda FLC I."
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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The Institute of Physical and Chemical Research (RIKEN)
                                                                                                                                                                                                                                                                             477 CCTGCTCCGGCACATCAAGCTGCATTCCGGGGAGAAGCCCTTCAAATGCCACCTCTGCAA 536
                                                                                                                                                                                                417 CACTGGAGAACGCCCTTCCAGTGCAATCAGTGCGGGCCTCATTCACCCAGAAGGGCAA 476
                                                                                                                                                                                                                          294 CCTCCTGCGGCACATCAAGCTGCACTCGGGTGAGAAGCCCTTCAAATGCCATCTTTGCAA 353
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                                                                           Email: genome-res@gsc.riken.go.jp,
URL:http://genome.gsc.riken.go.jp,
Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh
.M., Konno,H., Okazaki,Y., Muramatsu,M., and Hayashizaki,Y.
Normalization and subtraction of cap-trapper-selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new
genes. Genome Res. 10 (10), 1617-1630 (2000)
wagi,K., Fujiwake,S., Inoue,K., Togawa,Y., Izawa,M., Ohara,E.,
Watahiki,M., Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura
.S., Kawai,J., Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and
1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
Tel: 81-45-503-9222
Fax: 81-45-503-9216
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Computational Analysis of Full-Length Mouse cDNAs Compared with Human Genome Sequences. Mamm. Genome. 12, 673-677 (2001)

Please visit our web site (http://genome.gsc.riken.go.jp) for further details.
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/dev_stage="adult"
/lab_host="DH10B"
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Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T.,
Marra,M., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B.,
Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
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Eukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           936 bp mRNA linear EST 16-MAR-
vx85al0.r1 Soares_thymus_2NDWT Mus musculus cDNA clone
IMAGE:1281978 5' similar to gb:L03547 Mouse Ikaros DNA binding
protein (MOUSE);, mRNA sequence.
121 TCGGGAGGACAGCAAAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAATGTTAAAGTAGAG 180
                         241 GATTACGAATGCTTGATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGC 300
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                                                                                                                                                                                                                                                                                          AGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTAAAGTGTGAT 360
                                                                                               4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                        361 ATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGGTTCACAAAA 409
                                                                                                                                                                                                                                                                                                                                                                                                                 /db_xref="taxon" 10090"
/clone="IMAGE:1281978"
/clone_lib="soares_thymus_2NbMT"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unpublished (1996)
Contact: Marra M/Mouse EST Project
WashU-HHM Mouse EST Project
Washington University School of MedicineP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Seq primer: -28ml3 rev2 ET from Amersham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: mouseest@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The WashU-HHMI Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       High quality sequence stop: 499.
Location/Qualifiers
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/dev_stage="4 weeks"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /strain="C57BL/6J
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Contact: Robert Strausberg, Ph.D.

COMMENT

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provided by Dr. Bertrand Jordan. Library went through two rounds of normalization, and was constructed by Bento Soares and M.Fatima Bonaldo."

1 241 c 267 g 216 t
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NCI-GAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AA808413 339 bp · mRNA linear EST 19-FEB-19 oa43h06.s1 NCI_CGAP_GCB1 Homo sapiens cDNA clone IMAGE:1307771 3/ similar to TR:000598 000598 HIK1. ;, mRNA sequence.
                                                                                                                                                                                                                                                979 CGCCCGCTGGTGCAGACGCCCCCGGGCGGTTCCGAGGTGGTCCCGGTCATCAGC--CCGA 1036
                                                                                                                                                                                                                                                                                                                 1037 TGTACCAGCTGCACAGGCGCTCGGAGGCACCCCGCGCGTCCAACCACTCGGCCCAGGACA 1096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GCGCAGCGGTCTTATCTACCTGACCAACCACATCGCCCGACGCGCGC---AACGCGTGTC 1271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        G--CGCCGTGGAGTACCTGCTGCTCTCCAAGGCCAAGTTGGTGCCCTCGGAGCGCGA 1154
                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGCGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAGAGCAACAACGAGGAGCA 1214
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1392 CCGGGTGCTCTTCCTGGATCACGTCATGTACACCATCCACATGGGCTGCCACGGCTTCCG 1451
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1452 TGATCCTTTTGAGTGCAACATGTGCGGCTACCACAGCCAGGACCGGTACGAGTTCTCGTC 1511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     920 CCCACGTGATGGACCAAGCCATCAACAACGCCATCAACTACCTGGGGGC-CGAGTCCCTG 978
                                                                                                                                                                                                     796 TGTACCAGCTGCACAAGCCCCCCTCAAGATGGCCCCCCCACGGTTCCAACCATCAAGAACA 737
                                                                                                                                                                                                                                                                                                                                                                                                   378 GGATCCCTTTGAGTGTAACATGTGTGGTTATCACAGCCAGGACAGGTACGAGTTCTCATC 319
                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10;
                                                                                                                   DB 9; Length 936;
                                                                                                                                                    Indels
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Pred. No. 2.7e-62;
0; Mismatches 132;
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                                                                                                               Query Match 22.5%;
Best Local Similarity 77.8%;
Matches 498; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumor Gene Index
Unpublished (1997)
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JOURNAL

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DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCT-GGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
www-bio.llnl.gov/bbrp/image/image.html
Insert Length: 457 Std Error: 0.00
Seq primer: -40ml3 fwd. Erf from Amersham
High quality sequence stop: 295.
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Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Louis M. Staudt, M.D., Ph.D., David Allman,
Ph.D., Gerald Marti, M.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
Bonaldo, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13 CACGAGGGTTAAAAGTAGAGACTCAGAGTGATGAAGAAATGGGCGTGCCTGTGAAATGAA 280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     162 CAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGGCGTGCCTGTGAAATGAA 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        282 CICCCACAGGGACCAAGGCAGCICGGCITIGICGGGAGIIGGAGGCAIICGACIICCIAA 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        342 CGGAAAACTAAAGTGTGATATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGGT 401
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0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 325.4; DB 9; Length 339;
Pred. No. 1.5e-57;
0; Mismatches 6; Indels 0
                                                                                                                                                                                                                                                                                                                      /tissue_type="germinal center B cell"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                462 CACCCAGAAGGGCAACCTGCTCCGGCACATCAAGC 496
                                                                                                                                                                                                                                                                  /db_xref="taxon:9606"
/clone="IMAGE:1307771"
/clone_llb="NCI_CGAP_GCB1"
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                                                                                                                                                                                                                                                      /organism="Homo sapiens"
                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21.0%;
98.2%;
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Best Local Similarity 98.2*
Matches 329; Conservative
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AA814418/c
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AGENCOURT_6414077 NIH_MGC_85 Homo sapiens cDNA clone IMAGE:5497068 BM458447
                                                                                                                                              293 bp mRNA linear EST 02-JUN-2000 EST388914 MAGE resequences, MAGO Homo sapiens cDNA, mRNA sequence. AW976805
                                                                                                                                                                                                                                                                                                                                                     Hegde, P., Qi, R., Abernathy, K., Dharap, S., Gaspard, R., Gay, C., Holt
, I.E., Saeed, A.I., Sharov, V., Lee, N.H., Yeatman, T.J. and
Quackenbush, J.
                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 293)
                                                                                                                                                                                                                                                                                                                                                                                                                   Assessment of gene expression patterns in a model of colon tumor metastasis using a 19,200 element CDNA microarray motubulished (2000)

Contact: John Quackenbush
The Institute for Genomic Research
772 Medical Center Dr., Rockville, MD 20850, USA
Tel: 301 838 3528
Fax: 301 838 0208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             412 AGCCACACTGGAGAACGCCCTTCCAGTGCAATCAGTGCGGGGCCTCATTCACCCAGAAG 471
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      233 GTGCGGAGGATTTACGAATGCTTGATGCCTC-GGGAGAGAAAATGAATGGCTCCCACAGG 291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           292 GACCAAGGCAGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTA 351
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        352 AAGTGTGATATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGGTTCACAAAAGA 411
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /db_xref="taxon:9606"
/clone_llb="MAGE resequences, MAGO"
/nclo="Vector: pBluescriptSKm"
79 c 79 g 75 t
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                                                                                                                                                                                                                     AW976805.1 GI:8168040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: johnq@tigr.org
Plate: 366
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Best Local S
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                                                                                                                                                                                                                         VERSION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bonaldo, Ph.D. cDNA Library Arrayed by: Greg Lennon, Ph.D. cDNA Library Arrayed by: Greg Lennon, Ph.D. DNA Sequencing by: Washington University Genome Sequencing Center Clone distribution: NCI-CGAP clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: www-bio.lini.gov/bbprp/Image/Lhmage.html
Insert Length: 433 Std Error: 0.00
Seq primer: -40ml3 fwd. ET from Amersham.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      j. Double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT/T3 vector. Library went through one round of normalization, and was
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                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 369)
                                                                                                                                                         NCI-GGAP http://www.ncbl.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
Unpublished (1997)
                                                                                                                                                                                                                                                             Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Louis M. Staudt, M.D., Ph.D., David Allman,
Ph.D., Gerald Marti, M.D.
cDNA Library Preparation: M. Bento Soares, Ph.D., M. Fatima
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                369 GCCTGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATGCCTCGGGA 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            328 ATTCGACTTCCTAACGGAAAACTAAAGTGTGATATCTGTGGGATCATTTGCATCGGGCCC 387
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         388 AATGIGCTCATGGTTCACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGCAATCAG 447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        448 TGGGGGCCTCATTCACCCAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCATTCCGGG 507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          208 GCCTGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATGCCTCGGGA 267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           268 GAGAAAATGAATGGCTCCCACAGGGACCAAGGCAGCTCGGCTTTGTCGGGAGTTGGAGGC 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           129 TGC-GGGCCTCATTCACCCAGAAGGCAACCTGCTCCCGGCACATCAAGCCCTTCTCCCCTG 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     constructed by Bento Soares and M. Fatima Bonaldo." 87 c 84 g 122 t l others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17.5%; Score 271.4; DB 9; Length 369; 95.7%; Pred. No. 2.4e-46; tive 0; Mismatches 12; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1. .369
/organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                              Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                   AA814418.1 GI:2884014
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/clone="IMAGE:5497068"
/tissue_type="lymphoma, cell line"
/tasue_type="lymphoma, cell line"
/tab_host="DH108" [phage-resistants"]
/note="Coran: lymph; Vector: pcMV-SPORT6; Site_1: NotI;
Site_2: SalI; Cloned unidirectionally; oligo-dT primed.
Average insert size 1.867 kb. Library enriched for full-length clones and constructed by Life Technologies.
Note: this is a NIH_MGC Library."
242 c 274 g 230 t 2 others
                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 1093)
NIH-WGC http://mgc.ncl.nih.gov/.
                                                                                                                                                                                                                                           Email: cgapbs-remail.nih.gov
Tissue Procurement: Lou Staudt
cDNA Library Preparation: Lif Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
plate: LLAMIJLS row: j column: 13
High quality sequence stop: 663.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CATTCACCCAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCATTCCGGGGAGAAGCCCT 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    500 CTTTTACTCAGAAAGGTAACCTCCTCCGCCACATTAAACTGCACACAGGGGAAAAACCTT 559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       518 TCAAATGCCACCTCTGCAACTACGCCTGCCGGGGGGGGGCCCCCTCACTGGCCACCTGA 577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 578 GGACGCACTCCGTTGGTAAACCTCACAAATGTGGATATTGTGGCCGAAGCTATAAACAGC 637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         638 GAACGICITIAGAGGAACAIAAAGAGCGCIGCCACAACIACIIGGAAAGCAIGGGCCIIC 697
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               698 CGGCCACACTGTACCCAGTCATTAAAGAAGAAACTAAGCACAGTGAAATGGCAGAAGACC 757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            738 AGGGGACACTGCAAGTGCGGAGGCAAGACACATCAAAGCA---------777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 338 CTAACGGAAAACTAAAGTGTGATATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCA 397
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 15.4%; Score 239.2; DB 10; Length 1093; Best Local Similarity 66.5%; Pred. No. 1.5e-39; Matches 448; Conservative 0; Mismatches 190; Indels 36; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Homo sapiens"
/db_xref="taxon:9606"
                                                                                                                                                                                                     Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
BM458447.1 GI:18507487
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1. .704
/organism="Mus musculus"
/db_xref="Laxon:10090"
/db_xref="Laxon:10090"
/db_xref="Laxon:10090"
/clone=TrMAGE:3976797"
/clone=lib="NCI_CGAP_BG3"
/clone=lib="NCI_CGAP_BG3"
/lab_nost="DHIOB (f1-resistant)"
/note="Organ: lymphocytes (flow-sorted); vector:
pGNV-SPORT6 (Life Technologies); mRNA made from
flow-sorted lymphocytes, cDNA made by oligo-dT priming.
Directionally cloned. Average insert size 1.8 kb. Primary
library, non-amplified. CDNA Library Preparation: David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tumor Gene Index

Unpublished (1997)
Contact: Robert Strausberg, Ph.D.
Enail: cgapbs-rémail.nih.gov
Tissue Procurement: David Segal Ph.D., Herbert Morse M.D.
CONA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BF731127 108-JAN-2001 mRNA linear EST 08-JAN-2001 mab8le11.y1 NCI_CGAP_BC3 Mus musculus cDNA clone IMAGE:3976797 5' similar to SW:IKAR_MOUSE Q03267 DNA-BINDING PROTEIN IKAROS ;, mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mus musculus
Eukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus.
1 (bases 1 to 704)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                     1219 AGCGGTCTTATCTACCTGACCAACCACATCGCCCGACGCGCGC---AACGCGTGTCGCTC 1275
                         933 CCAAGCCATCAACAACGCCATCAACT--ACCTGGGGGCCGAGTCCCTGCGCCCGCTGGTG 990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                            818 AACGTAAGAGCTCTATGCCTCAGAAATTTCTTGGGGACAAGGGCCTGTCCGACACGCCCT
                                                                                                878 ACGA-----CAGTGCCACGTACGAGAAGGAGAACGAAATGATGAAGTCCCACGTGATGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15.3%; Score 237.4; DB 10; Length 704; 83.6%; Pred. No. 3.2e-39; tive 0; Mismatches 52; Indels 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Possible reversed clone: similarity on wrong strand Seq primer: -40RP from Gibco High quality sequence stop: 445.

Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B. Krizman, Ph.D."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BF731127
BF731127.1 GI:12048991
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUTHORS
TITLE
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mi06e03.xl Soares mouse placenta 4NbMp13.5 14.5 Mus musculus cDNA clone IMAGE:459676 3' similar to gb:L03547 Mouse Ikaros DNA binding protein (MOUSE);, mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (Dases 1 to 451)
Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Garsel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M.,
Schellenberg,K., Steptoc,M., Tan,F., Underwood,K., Morre,B.,
Theising,B., Wylie,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This clone was previously sequenced on the 5' end only, this new data is from the 3' end
High quality sequence stop: 429.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortlum (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                       300
                                                                                                                                                              185 ATGGATGTCGATGAGGGTCAAGACATGTCCCAAGTTTCAGGAAAGGAGAGCCCCCCAGTC 244
                                                                                                                                                                                                            61 AGCGATACTCCAGATGAGGGCGATGAGCCCATGCCGATCCCCGAGGACCTCTCCACCACC 120
                                                                                                                                                                                                                                    121 TCGGGAGGACAGCAAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAATGTTAAAGTAGAG 180
                                                                                                                                                                                                                                                                                                                425 GATTTACCAATGCTTGATTGCCTCGGAAAGAAAAATAATGGGT-CCACATGGATCCAGGG 483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   301 AGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTAAAGTGTGAT 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                            241 GATTTACGAATGCTTGATGCCTCGGGAGAAAATGAATGGCTCCCACAGGGACCAAGGC
                                                                                      ä,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The WashU-HHMI Mouse EST Project
Unpublished (1995)
Contact: Marra MyNouse EST Project
WashU-HHMI Mouse EST Project
WashIngton University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Fax: 314 286 1800
                                              Length 571;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
                                                                                        68; Indels
                                            DB 10;
                                            Score 231.8; DB 1 Pred. No. 4.4e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mRNA
                                                                                    0; Mismatches
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81.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EST 26-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BG089790 571 bp mRNA linear EST 26-JAN-2001 mab8lell.x1 NCI_CGAP_BC3 Mus musculus cDNA clone IMAGE:3976797 3' similar to SW:IKAR_MOUSE Q03267 DNA-BINDING PROTEIN IKAROS ;, mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="Organ: lymphocytes (flow-sorted); Vector:
pcMV-SPORT6 (Life Technologies); mRNA made from
flow-sorted lymphocytes, cDNA made by oligo-dT priming.
Directionally cloned. Average insert size 1.8 kb. Primary
library, non-amplified. cDNA Library Preparation: David
B. KIIZMAN, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 571)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
                                                             1276 AAGGAGGAGCACCGCGCCTACGACCTGCGCGCCCCCCCCGAGAACTCGCAGGACGCG 1335
                                                                                                                                             1336 CTCCGCGTGGTCAGCACCAGGGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCGG 1395
                                                                                                                                                                                                                           1396 GTGCTCTTCCTGGATCACGTCATGTACACCATCCACATGGGCTGCCACGGCTTCCGTGAT 1455
                                                                                                                                                                                                                                                                                                         1456 CCTTTTGAGTGCAACATGTGCGGCTACCACAGCCAGGACCGGTACGAGTTCTCGTCGCAC 1515
366 CCCTTTGAGTGTAACATGTGTGGTTATCACAGCCAGGACAGGTACGAGTTCTCATCCAT 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Mus musculus"
/db_xref="taxon:10000"
/clone="IMAGE:3976797"
/clone="ID="NCI_CGAP_BC3"
/tissue_type="marginal zone B-cell tumor"
/lab_host="DH10B (T1-resistant)"
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                                                                                                                                                                                                                                                                                                                                                                                                             306 ATCACGCGGGGGGAGCATCGTTACCACNTGAGCTAA 271
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumor Gene Index
Unpublished (1997)
Other ESTS: mabble11.yl
Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Email: cgapbs-r@mail.nih.gov
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/tissue_type="placenta"
/dev_stage="placenta"
/lab_nost="DH10B"
/inche="Organ: placenta; Vector: pT773D-Pac (Pharmacia)
with a modified polylinker; Site_1: Not I; Site_2: Eco RI;
lst strand cDNA was primed with a Not I - oligo(dT) primer
                                                                                                                                                                                                     T 3']; double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT/T3 vector. Library went through one round of normalization, and was constructed by Bento Soares and M.Fatima Bonaldo."
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                                                                                                                                                                                     61 AGCGATACTCCAGATGAGGCGATGAGCCCATGCCGATCCCCGAGGACCTCTCCACCACC 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               121 TCGGGAGGACAGCAAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAATGTTAAAGTAGAG 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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/clone="IMAGE:459676"
/clone=Lib="Soares mouse placenta 4NbMP13.5 14.5"
/sex="unknown"
                                                                                                                                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                                                                                                                                                       14.8%; Score 229.8; DB 9; Length 451; 88.6%; Pred. No. 1.1e-37; Live 0; Mismatches 32; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 14.8
Best Local Similarity 88.6
Matches 249; Conservative
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